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UNITED STATES DEPARTMENT OF AGRICULTURE

43 Agricultural Research Service.

Soil and Water Conservation Research Branch. //

0 Watershed Hydrology Section

3 INVENTORY OF AVAILABLE HYDROLOGIC DATA

ON

AGRICULTURAL WATERSHEDS //



Plant Industry Station

50) Beltsville, Maryland

May 1955 //

PREFACE

In the reorganization of the research program of the Department of Agriculture, Secretary's Memorandum 1320 Supplement 2 dated November 2, 1953 transferred the research in irrigation engineering and watershed hydrology from the Soil Conservation Service to the Agricultural Research Service. The work having to do primarily with studies of agricultural hydrology was set up in a new Section of Watershed Hydrology in the Soil and Water Conservation Research Branch.

One of the most insistent problems facing the new Section was that of analyzing the back-log of data which had accumulated over the past 20 years. First attention, of course, will be given to the projects which are now operating. Over the years, however, many projects had been started and stopped, and in order to obtain some idea of the size of the job it was deemed advisable to compile a list of the watersheds for which data are available. The accompanying list is the result, and while it no doubt contains inaccuracies and omissions we have decided to make it available at this time rather than wait for the possibility of further refinement.

A preliminary list was prepared and as far as possible was sent to those who have had some contact with the work for suggestions, corrections, and additions. We owe a great deal to everyone who has contributed to this undertaking.

In this inventory it has been our intention to list only natural watersheds as distinguished from plots, although runoff measurements have been made on many plots which are larger than some of the watersheds which have been included. In some of the early work, single terrace intervals were called watersheds but, in general, they have not been included. We have also only included watersheds from which continuous water level records are available for at least part of the period of record.

We shall greatly appreciate any comments or corrections which may be offered. If we receive enough to make it worthwhile, an addendum will be issued as we are anxious to have and to keep the list as accurate as possible.

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UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Research Service
Soil and Water Conservation Research Branch
Watershed Hydrology Section

INVENTORY OF AVAILABLE HYDROLOGIC DATA

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INVENTORY OF AVAILABLE HYDROLOGIC DATA^{1/}

A. Runoff Studies on SCS Demonstration Projects

Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope		Crop or Cover	Validity of Records	Reference ^{2/}	Remarks
					Range	Av.				

1. Cohocton, New York^{3/}

W-I	2215	Apr. 1937	Oct. 1945	CM ^{4/}	5-40		Mixed	Good (HWH)		Continuous since 1950
W-II	13.83	Apr. 1938	" "	BCW ^{5/}	5-35	12	Cult. Strips	Ex. "		Peak rates only since March 1950
W-III	24.25	Mar. 1938	" "	"	2-25	20	" "	" "		" " " " " "
W-IV	71.49	" "	" "	"	2-20	10	Mixed	" "		" " " " " "

2. Freehold, N. J. ^{3/}

W-I	17.5	Nov. 1937	Oct. 1943	BCW		4	Cult. Terrace	Ex. (HWH)	TP-60	
W-II	32.9	Feb. 1938	" "	"	1-10	5	Cult.	" "	" "	Reestablished April 1950
W-III	51.8	" "	" "	"	2-10	5	Mixed	" "	" "	
W-IV	102.7	" "	" "	"	1-10	5	Cult.	" "	" "	Reestablished April 1950
W-VI	1890	June 1950	Cont.	Drop inlet	1-10	5	Mixed	" "	" "	

3. Hagerstown, Md. ^{3/}

W-I	46	Apr. 1938	Nov. 1947	BCW	0-28	8	Mixed	Ex. (HWH)		Peak rates only since Nov. 1947
W-II	80.8	Sept. "	" "	"	0-15	8	Cult. Strips	" "		" " " " " "
W-III	46	Mar. "	" "	"	3-30	10	Mixed	" "		" " " " " "
W-IV	5.0	Apr. 1939	" "	"			Cult. Terrace	" "		" " " " " "
W-V	5.0	" "	" "	"			" "	" "		" " " " " "

4. Chatham, Va. ^{6/}

W-I	13.37	July 1938	1948	BCW	5-12		Mixed Terrace	Good		Peaks only since 1948
W-II	16.06	" "	" "	"	5-12		" "	"		" " " "
W-III	17.08	" "	" "	"	3-7		" "	"		" " " "

5. Americus, Ga. ^{6/}

W-I	23.5	July 1938	June 1943	BCW	0.7-13	3	Mixed Terrace	Poor		
W-II	42.8	" "	Mar. 1942	"	1.2-5	2.5	" "	"		
W-III	32.0	" "	" "	"	1.7-8	3	Cotton "	"		
W-IV	59.2	" "	June 1943	"	0-1.8	.5	" "	"		

A. Runoff Studies on SCS Demonstration Projects

Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope		Crop or Cover	Validity of Records	Reference ^{2/}	Remarks
					Range	Av.				

6. Hamilton, Ohio^{7/}

W-I	186.6	Oct. 1938	May 1944	BCW	1-22	4	Mixed	Good		
W-II	16.2	July 1938	" "	"	5-40	8	Pasture	"		
W-III	28.6	" "	" "	"	2-8	3 1/2	Rot. Terrace	"		
W-IV	20.9	May "	" "	"	4-12	7	Cult. Rot.	"		

7. Bentonville, Ark.^{8/}

W-I	10.3	Sept. 1938	Sept. 1947	BCW	0-5		Mixed	Fair (RWB)		
W-II	9.34	" "	" "	"	0-14		Pasture	" "		
W-III	14.25	" "	" "	"	0-14		Meadow	" "		
W-IV	24.0	Feb. 1939	" "	"	2-14		Woods	" "		
W-V	19.43	Sept. 1938	" "	"	0-2		Strips Rot.	" "		
W-VI	10.75	" 1939	" "	"	0-5		Terrace Rot.	" "		

8. Garland, Tex.^{8/}

W-I	25.15	Aug. 1938	Sept. 1947	BCW	0-2		Strips Rot.	Fair (RWB)	TP-53	
W-II	98.9	" "	June 1942	"	1-2		Cotton Terrace	Poor "	" "	
W-III	10.5	Dec. "	Sept. 1947	"	2-5		Meadow	Fair "	" "	
W-IV	15.27	" "	" "	"	2-5		Corn (Rot.)	" "	" "	
W-V	14	May 1939	June "	"	0-2		" "	" "	" "	
W-VI	15	Dec. 1938	Nov. 1944	"	0-5		" "	" "	" "	

9. Muskogee, Okla.^{8/}

W-I	14.0	Mar. 1939	Sept. 1947	BCW	0-3		Alfalfa	Poor (RWB)		
W-II	65.4	" "	" "	"	3-7		Rot. Terrace	" "		
W-III	17.1	" "	" "	"	0-7		" "	" "		
W-IV	25.1	" "	" "	"	3-11		Pasture	" "		

10. Edwardsville, Ill.^{7/}

W-I	27.2	Mar. 1938	Cont.	BCW	0.4-10	1	Rot. Cult.	Good	TP-56	Some soil moisture, infiltration data, and synthetic hydrographs available.
W-II	50	" "	" "	"	0.8-30	5	Pasture	"	" "	
W-III	12.5	" "	Mar. 1943	"	3-16	7	Rot. Terrace	"	" "	
W-IV	290	" "	Cont.	"	0.5-35	5	Mixed	"	" "	

A. Runoff Studies on SCS Demonstration Projects (Continued)

Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope		Crop or Cover	Validity of Records	Reference ^{2/}	Remarks
					Range	Av.				
11. <u>Fennimore, Wisc.</u> ^{7/}										
W-I	330	July 1938	Cont.	BCW	1-20	6	Mixed	Good	TP-73	
W-II	22.8	" "	" "	"	1-10	6	"	"	" "	
W-III	52.5	June "	" "	"	2-20	8	"	"	" "	
W-IV	171	" "	" "	"	1-12	6	"	"	" "	
12. <u>Vega, Tex.</u> ^{9/}										
W-I	129	Mar. 1938	Oct. 1943	BCW	0-3	1.5	Wheat-Grass	Good (HKR)	TP-66	
W-II	96	" "	" "	"	0-3	1.5	Native Grass	" "	" "	
W-III	21	" "	" "	"	8-50	25	" "	Fair	" "	
13. <u>Colorado Springs, Colo.</u> ^{10/}										
W-I	10.6	May 1938	Dec. 1946	BCW	3-8	4	Rot. Strips	Good	TP-66	} Some soil moisture, infiltration data and synthetic hydrographs available
W-II	39.7	" "	" "	"	1-10	6	Native Grass	"	" "	
W-III	35.4	" "	" "	"	2-8	6	" "	"	" "	
W-IV	35.6	" "	" "	"	4-18	8	" "	"	" "	
14. <u>Safford, Ariz.</u> ^{10/}										
W-I	519	May 1939	Cont.	BCW	0-25	15	Range	Good		
W-II	682	" 1940	"	"	0-25	10	"	"		
W-IV	764	June 1939	"	"	0-10	5	"	"		
W-V	723	Jan. 1939	"	"	10-25	15	"	"		
15. <u>Santa Fe, N. Mex.</u> ^{10/}										
W-I	141	1938	1948	BCW		10	Woody Past.	Good		
W-II	790	"	"	"		4	Short Grass	"		
W-III	52	"	"	"		19	Pinon & Juni.	"		

A. Runoff Studies on SCS Demonstration Projects (Continued)

Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope		Crop or Cover	Validity of Records	Reference ^{2/}	Remarks
					Range	Av.				

20. Santa Paula, Calif.^{11/} (Continued)

Honda* at Perkins Colorado* & Honda at Beardsley	1830	Oct. 1934	Jan. 1939	CM	2-40	23	Mixed	Fair (LS)		51-49
	5882	" "	" "	"	"	19	"	Poor (LS)		48-52

21. Watsonville, Calif.^{11/}

W-I	15	Sept. 1938	Mar. 1943	BCW	11-25		Apples	Good		
W-II	18	" "	" "	"	11-25		"	"		
W-III	30	" "	" "	"	26-40		Grass	"		
W-IV	16	" "	" "	"	26-40		Woods	"		

22. Placerville, Calif.^{11/}

Patterson	41	Jan. 1936	Mar. 1943	PF ^{15/}		19	Pasture	Good		
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23. Vacaville, Calif.^{11/}

Gotthiemer	40	Jan. 1936	Mar. 1943	PF ^{15/}		12	Orchard	Good		
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24. Sebastopol, Calif.^{11/}

McMonamin	56	Feb. 1936	Mar. 1943	PF ^{15/}		18	Orchard	Good		
Taber	83	" "	" "	"		19	Pasture	"		

25. Dayton, Wash.^{11/}

W-I	19.2	Oct. 1939	Apr. 1942	BCW		20	Cultivated	Good		Between two diversions 500' apart
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26. Shenandoah, Iowa

W. Tarkio Cr.*	105 sq. mi.	June 1934	June 1940	CM	0-15	7-12	Mixed	U.S.G.S.	TP-42	Treated
Tarkio R.*	200 " "	" "	" "	"			"	"	" "	Untreated



A. Runoff Studies on SCS Demonstration Projects (Continued)

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Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope		Crop or Cover	Validity of Records	Reference ^{2/}	Remarks
					Range	Av.				

27. Coon Valley, Wisc.

Coon Creek*	77.2 sq.mi.	Mar. 1934	Sept. 1940	CM	3-40		Mixed	U.S.G.S.	TP-46	Treated
Little LaCrosse*R.	77.1 " "	" "	" "	"	"		"	"	"	Untreated

28. Pullman, Wash.

South Fork Palouse R.*	81.1 sq.mi.	May 1934	June 1940	CM			Mixed	U.S.G.S.	TP-47	Treated
Missouri Flat Cr.*	27.5 " "	Apr. "	" "	"			"	"	" "	"
Fourmile Creek*	71.9 " "	" "	" "	"			"	"	" "	Untreated

29. High Point, N. C.

W. Fork*	32.1 sq.mi.	Feb. 1934	Sept. 1940	CM			Mixed	U.S.G.S.	TP-48	Treated
Deep River Muddy Creek*	16.2 " "	May "	" "	"			"	"	" "	"
Unarie R.*	11.3 " "	" "	" "	"			"	"	" "	Untreated

B. Hydrologic Studies at State Experiment Stations

1. College Park, Md.

W-I*	8.22	June 1939	Feb. 1955	BCW	0-10		Rot. Strip	Good	TP-60	Up and down tillage 1946-48
W-II*	7.44	" "	" "	"	2-15		" "	"	" "	" " " " 1943-45
W-III*	5.02	Oct. "	" "	"	0-10		Mixed	"	" "	Cropland terraces 1944-55
W-IV*	5.03	" "	" "	"	0-15		"	"	" "	Contour tillage 1944-55
W-V*	4.07	June "	" "	HF ^{13/}	2-15		Rot. Strip	"	" "	Corn on ridge rows alternate years
W-VI*	3.53	Aug. 1940	Cont.	HF	2-15		Pasture	"	" "	Check
W-VII*	3.52	" "	" "	"	2-15		" (Furrows)	"	" "	Pasture furrows 1943-51. Renovated 1951
W-VIII*	2.43	" "	Feb. 1955	"	2-15		2nd growth	"	" "	Check
							woods			
W-IX*	12.05	Sept. "	" "	"	2-15		Woods	"	" "	Heavily logged 1948
W-X*	3.04	July 1943	" "	"	2-15		Rot. Strip	"	" "	Corn on ridges alternate years

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B. Hydrologic Studies at State Experiment Stations (Continued)

- 7 -

Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope		Crop or Cover	Validity of Records	Reference ^{2/}	Remarks
					Range	Av.				

2. Lafayette, Ind.

1*	2.6	Jan. 1940	Dec. 1953	HF	0-10	4.0	Rotation			Varied practices
2*	2.2	"	"	"	0-15	4.75	"			Conservation practices
4*	2.0	"	"	"	0-10	5.1	"			Prevailing "
5*	2.87	"	"	"	0-7	2.0	"			" "
6*	2.8	"	"	"	0-6	2.2	"			Conservation "
7*	1.96	"	"	"	0-7	3.8	"			" "
8*	1.96	"	"	"	0-8	2.5	"			Prevailing "
10*	2.06	"	"	"	0-4	2.2	"			" "
11*	2.1	"	"	"	0-4	2.2	"			Conservation "
12*	3.4	"	"	"	0-7	2.3	"			Prevailing "
13*	3.02	"	"	"	0-2.5	1.0	"			Varied
14*	2.85	"	"	"	0-6	2.5	"			Conservation "
15*	3.59	"	"	"	0-5	3.0	"			Prevailing "
18*	3.24	"	"	"	0-7	2.2	"			Conservation "
20*	2.64	"	Sept. 1952	"	0-20	5.7	Pasture			
25*	3.5	"	Mar. 1953	"	0-20	3.4	"			
31*	1.64	Aug. 1940	Dec. 1951	"	0-50	6.6	"			
32*	1.83	"	"	"	0-12	6.2	"			
33*	3.44	"	"	"	0-50	3.8	Pastured wood-lot			
34*	3.17	"	"	"	0-60	4.4	Protected "			

3. East Lansing, Mich.

A*	1.98	Jan. 1941	Cont.	HF	6	Cult. Rot.	Good			Discontinued soil loss and soil moisture studies in June 1953
B*	1.35	"	"	"	6.5	" "	"			
C*	1.65	"	"	"	6.1	Woods	"			

4. Blacksburg, Va.

W-II	5.44	1939	1951	HF	1-24	8	3 yr. Rot.	Good	TP-67	Stripcropped after 1943
W-III	19.3	"	Cont.	BCW ^{14/}	1-20	5	" " "	"	"	" " "
W-IV	3.49	1952	"	HF	5-15	10	" " "	"	"	" " "
W-V	6.08	"	"	"	5-30	15	" " "	"	"	" " "
W-VI	7.70	"	"	"	5-30	15	" " "	"	"	" " "

B. Hydrologic Studies at State Experiment Stations (Continued)

Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope		Crop or Cover	Validity of Records	Reference ^{2/}	Remarks
					Range	Av.				

5. Auburn, Ala.

Pond # 4 | 27 | Aug. 1944 | July 1947 | HF | | 2.5 Mixed | Ex. | TP-85 | Well terraced

6. Spur, Tex.

Area	1	11.530	1927	Cont.	Double V	0-1	0.6	Cotton	Good (CEF)	Texas Bul.	Contour 1 Rows
"	2	9.386	"	"	Notch	0- .8	.5	"	"	411 & 587	Rows with slope
"	3	10.711	"	1945	"	0-1.3	.9	"	Fair	TP-35	1' level terraces ends open
"	5	5.807	"	"	"	0-2	1.6	"	Good	" "	2' " " " "
"	6	5.323	"	"	"	0-2.4	1.6	"	"	" "	3" graded terraces 2' vertical spacing
"	11	8.699	1930	"	"	0-1.2	.7	"	"	" "	Rows with slope
"	12	8.411	"	"	"	0-1	.6	"	"	" "	Contoured rows
"	14	8.532	"	"	"	0- .7	.6	"	"	" "	Rows with slope
"	15	8.505	"	"	"	0- .7	.6	"	"	" "	Contoured rows

C. Watershed Studies at Soil and Water Conservation Experiment Stations

1. Watkinsville, Ga.

-I | 19.2 | Jan. 1940 | Cont. | BCW | 3-10 | 7 | Cult. till '45 | Good | TP-114 | Bench terraced
Kudzu later

2. Clarinda, Iowa

	V*	3.25	Oct. 1932	1941	PF	7.7	Rot.				
W*	1.97	Apr. 1934	"	"		7.8	"			{ TB-558	Unterraced
X*	1.97	"	"	"		9.0	"			" 959	"
Y*	3.25	Oct. 1932	"	"		8.3	"			TP-31	Terraced
Z*	3.12	"	"	"		10.0	"			" "	Unterraced
										" "	Terraced

C. Watershed Studies at Soil and Water Conservation Experiment Stations (Continued)

Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope		Crop or Cover	Validity of Records	Reference ^{2/}	Remarks
					Range	Av.				
3. Bethany, Mo. ^{16/}										
Pa-A*	2.03	Jan. 1934	1943	PF		13.0	Pasture	Good	{TB-883}	Terraced
Pa-B*	5.56	" 1932	"	"		9.5	"	"	{TP-39}	Normal
Pa-C*	1.97	Apr. 1937	"	"		11.0	"	"	" "	Contour furrows
I-58*	2.11	Jan. 1933	"	"		9.1	Alfalfa	"	" "	Oats and lespedeza last 5 years
IJ-1*	2.13	July 1933	"	"		9.2	C-O-C. & T	"	" "	Strip cropping, contoured
D-1*	7.51	" 1934	"	"		6.5	C-O-W. L & T	"	" "	Contour farmed
D-2*	8.03	" "	"	"		7.0	"	"	" "	Terraced
D-3*	4.49	" 1932	"	"		6.7	"	"	" "	Up and down hill with field boundary
4. Zanesville, Ohio ^{9/}										
Cult.*	2.55	1934	Dec. 1945	PF		14	C-W-M	Good	{TB-888}	
Pasture*	3.57	"	"	"		14	Pasture	"	{TP-26}	
Woods*	2.23	"	"	"		14	Woods	"	" "	
5. LaCrosse, Wisc.										
Unterraced*	4.13-2.24	1932	1946	TF ^{17/}		15	C-G-H	Good	{TB-973}	
Str. Crop.*	2.70	1937	Cont.	"		17	C-G-H-H-H-H	"	{TP-29}	Contour strips, 6 year rotation
Terraced*	2.21	1932	"	"		10	C-G-H-H	"	" "	-4 year rotation
Pasture*	2.71	"	"	"	20-32	24	Pasture	"	" "	Renovated 1950 - alfalfa-brome
Past. Terr.*	1.01	"	1946	"		19	"	"	" "	
Str. Crop.	2.61	1952	Cont.	"		15	C-G-H-H-H-H	"		Strips on 2% grade, 6 year rotation
6. Guthrie, Okla.										
Plot 13*	3.23	Sept. 1930	Dec. 1938	PF	3-8	5.13	Cot. Cowpeas	Good	{TB-837}	Unterraced
" 15A*	3.13	Aug. 1929	"	"	2-4	3.42	"	"	{TP-32}	Level open and terraces
Ravine A	35.0	June 1929	" 1946	"	3-5	4.94	C-O-Cotton	"	" "	Graded terraces
Plot L*	5.62	Jan. 1930	" 1953	"	2-5	4.80	Woods & Grass	"	" "	
Plot J	5.28	Aug. 1929	" 1947	"	3-5	4.44	Pasture	"	" "	Eroded - ungrazed
Past. Plot*	2.50	" 1932	" 1953	"	3-5	5.65	"	"	" "	Lightly grazed
W-II	5.09	Jan. 1939	" 1951	HF	3-8	5.19	Virgin Native	Good		Moderately grazed
							Grass			
W-III	9.09	" 1942	"	"	6-8	7.06	Erod. Native	"		Moderately grazed
							Grass			
W-IV	13.37	" "	May 1953	"	3-8	4.72	Erod Native	"		" "
							Grass			

C. Watershed Studies at Soil and Water Conservation Experiment Stations (Continued)

Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope		Crop or Cover	Validity of Records	Reference ^{2/}	Remarks
					Range	Av.				

6. Guthrie, Okla. (Continued)

W-V	15.69	Jan. 1942	May 1953	HF	3-5	4.61	Erod. Native Grass	Good		Moderately grazed
W-VI	94.80	Nov. 1941	" "	"	3-8	6.01	Vir. & Erod. Native Grass	"		" "

7. Cherokee, Okla.^{18/}

1	2.23	Dec. 1941	June 1951	HF	2-3	2.93	Wheat	Good		Disc plowed
2	4.82	" "	" "	"	2-3	2.86	"	"		" "
3	8.30	Jan. 1942	" "	"	1-3	2.16	"	"		Stubble mulched
4	4.35	Dec. 1941	" "	"	1-3	1.95	"	"		" "
5	7.85	" "	" "	"	1-3	1.52	"	"		Disc plowed
6	1.75	" "	" "	"	1-3	2.36	"	"		Basin listed
7	1.99	Jan. 1942	" "	"	2-3	2.14	"	"		Stubble mulched
8	4.82	May 1940	" "	"	1-3	1.80	"	"		Basin listed
9	8.50	Jan. 1942	" "	"	1-3	1.89	"	"		" "

8. Statesville, N. C.^{19/}

C-8*	5.12	Jan. 1933	June 1938	PF		7	Cult.	Good	TB-873	
W-23*	6.0	" "	" "	"		18.6	Woods	"	" "	

9. Pullman, Wash.

W-IV*	2.33	July 1931	June 1941	PF-BCW	0-20		Cult.	Good	(TB-860)	
W-V*	14.4	" 1932	" "	" "	0-40		"	"	TP-43	
W-VI*	15.2	" "	" "	" "	0-30		"	"	" "	Soil loss measurements discontinued
W-II*	68.2	" 1931	" "	" "	0-50		"	"	" "	June 30, 1938. Parshall flumes
W-VIII*	762	" 1934	" "	" "	0-50		"	"	" "	replaced by broad crested weirs
W-VII*	16,700	" 1932	Dec. 1937	CM			Mixed	"	" "	summer 1939
W-IX	879	Sept. 1941	June 1946	BCW	0-50	16	Cult.	Good		
W-X	4430	" "	" 1947	"	0-50	14	"	"		

10. Tyler, Tex.^{8/}

No. 3*	7.94	1931	June 1947	PF		7.5	Woods	Good (RWB)	(TB-916)	
No. 4*	6.05	"	" "	"		7.5	Contour	"	TP-41	Unterraced 5.75A until March 1939
No. 5*	2.64	"	" "	"		5.5	"	"	" "	" strip crop 1.73A until March 1939

C. Watershed Studies at Soil and Water Conservation Experiment Stations (Continued)

Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope		Crop or Cover	Validity of Records	Reference ^{2/}	Remarks
					Range	Av.				

11. Hays, Kansas

6-L*	2.85	1934	Dec.	1938	PF	4-7	Wheat	Good	TP-37	Unterraced
1.61-AG*	1.61	1932	"	"	"	5-8	Native Grass	"	" "	Lightly grazed

12. Mexican Springs, N. Mex. ^{21/}

1*	187	Feb.	1938	1943	Cippoletti	5.15	Grass	Ques. (HEM)	ESR-9 ^{20/}	
2*	610	June	1936	"	PF	35.6	Pinon. Junip.	" "	"	
3*	1,325	Apr.	1938	"	CM	29.6	" "	" "	"	
4*	2,980	May	1939	"	"	26.1	Ponderosa	" "	"	
5*	4,235	Feb.	1938	"	"	20.0	Pinon. Junip.	" "	"	
6*	5,550	May	1937	"	"	30.1	" "	" "	"	
7*	8,495	June	1936	"	"	22.2	" "	" "	"	
8*	20,910	May	1936	"	"	23.5	" "	" "	"	
9*	4,510	Feb.	1938	"	"	18.7	" "	" "	"	
10*	17,220	May	1937	"	"	25.4	" "	" "	"	
11*	46,080	May	1936	"	"	22.4	" "	" "	"	
12*	2,550	Apr.	1936	"	"	15.5	" "	" "	"	
13*	3,360	"	"	"	"	20.3	" "	" "	"	
14*	3,560	July	1936	"	"	35.0	" "	" "	"	
15*	4,740	"	"	"	"	22.9	" "	" "	"	

13. Arnot Forrest, N. Y.

1	17.94	1941	1947	HF	A-BB	BB	Idle Land	Good (HWH)	Summers only 1950-53
2	9.0	"	"	"	"	"	" "	" "	" " 1943-47, 50-53
3	9.0	"	"	"	B-BB	"	" "	" "	" " 1950-53
4	17.86	"	"	"	BB	"	Mature Woods	" "	" " 1943-47, 50-53
5	8.6	"	"	"	A-C	"	" "	" "	

14. McCredie, Mo. ^{22/}

Reservoir	153	Apr.	1941	Cont.	{Calib.	1-10	2.5	Mixed	Good	
S.W. Pond #2	44	Jan.	1951	"	{Spillway}	1-6	2.3	Cult.	"	

D. Miscellaneous Watershed Studies

Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope		Crop or Cover	Validity of Records	Reference ^{2/}	Remarks
					Range	Av.				

1. Elmwood, Ill.^{6/}

WB-1	1.276	Mar. 1945	Oct. 1946	HF	1-3		Pasture	Ex. (HNN)	TP-68	Berwick silt loam
WB-2	1.282	" "	" "	"	1-3		Corn	"	" "	" " "
WB-3	2.606	" "	" "	"	1-3		Pasture	"	" "	" " "
WB-4	2.766	" "	" "	"	1-3		Corn	"	" "	" " "
WB-5	1.934	" "	" "	"	1-3		Pasture	"	" "	" " "
WB-6	2.408	" "	" "	"	1-3		Corn	"	" "	" " "
WT-1	2.023	" "	" "	"	4-7		Pasture	"	" "	Tama silt loam
WT-2	1.832	" "	" "	"	4-7		Corn	"	" "	" " "
WT-3	2.404	" "	" "	"	4-7		Pasture	"	" "	" " "
WT-4	2.057	" "	" "	"	4-7		Corn	"	" "	" " "
WT-5	2.763	" "	" "	"	5-7		Pasture	"	" "	" " "
WT-6	5.348	" "	" "	"	4-7		Corn	"	" "	" " "

2. Colby, Wisc.^{7/}

W-1	350	Sept. 1948	Cont.	BCW	1-5	3	Mixed	Fair	None	April to November only
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3. Alhambra, Ill.^{7/}

W-1	670	June 1952	Cont.	Box inlet spillway	0.5-2		Mixed	Fair	None	March to November only
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4. Iowa City, Iowa

Ralston Creek	3.01 sq. mi.	July 1924	Cont.	CM		10	Mixed	U.S.G.S.	Univ. of Iowa Bul. 9 series 328 Dec. 1936	
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5. Dutchess Co., N. Y.^{3/}

W-I	1570	Jan. 1953	Cont.	CM			Mixed	Fair (HWH)		Dairy farming
W-II	76.4	Nov. 1950	"	BCW			Mixed	Ex. "		Strip crops, meadow, pasture, wildlife
Pond 4	30	" "	"	Trickle			"	Fair "		" " pasture with 2 acre pond
Pond 6	95.9	Oct. 1951	"	Tube			"	Good "		Includes W-II and 9.3 acre pond

D. Miscellaneous Watershed Studies (Continued)

Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope		Crop or Cover	Validity of Records	Reference ^{2/}	Remarks
					Range	Av.				

6. Staunton, Va.^{6/}

0.61 sq. mi.	1948	Cont.	CM	2-25	Mixed	Good		Contain "sinks" typical of limestone country
3.80 " "	"	"	"	"	"	"		
9.60 " "	"	"	"	"	"	"		

7. Stillwater, Okla.

15	June 1951	Cont.	Road Culv.	5-10	5	Pasture	Good	(Okla. A&M)
90	" "	"	" "	"	5	"	"	(Tech. Bul.)
210	" "	"	" "	"	5	"	"	(T-51)

8. Vero Beach, Fla.

an River n. Dist.	47000	Aug. 1950	Cont.	CM	0-5	1	Groves and Pasture	Good	
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E. Experimental Watersheds

1. Coshocton, Ohio

102*	1.26	Mar. 1937	Jan. 1947	PF	18.2	Pasture	Good (LLH)	Hydr. Bul.	Check
104*	1.33	" "	" "	"	20.7	"	" "	1 & 4)	Conservation treatment
129*	2.71	" 1938	Cont.	"	18.6	"	" "	"	"
135*	2.69	" "	"	"	15.3	"	" "	"	Check
130*	1.63	Apr. "	"	"	21.7	Meadow	" "	"	Conservation treatment
107*	2.59	July "	May 1946	HF	15.3	Reforested	" "	"	"
131*	2.21	May "	Cont.	PF	21.6	Wooded	" "	"	"
132	.59	Apr. "	"	HF	12.0	Wooded	" "	"	"
134*	.92	May "	June 1947	PF	23.2	Reforested	" "	"	"
123*	1.37	Dec. "	Cont.	HF	5.8	Rotation	" "	"	Check
115*	1.61	Apr. 1939	"	"	6.6	"	" "	"	Mulch
127*	1.65	June 1949	"	"	11.0	"	" "	"	Conservation treatment
109*	1.69	Nov. 1938	"	"	12.7	"	" "	"	

E. Experimental Watersheds (Continued)

Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope		Crop or Cover	Validity of Records	Reference ^{2/}	Remarks
					Range	Av.				

1. Coshocton, Ohio (Continued)

103*	.65	Mar. 1939	Cont.	HF		11.3	Rotation	Good (LLH)	(Hydr. Bul. 1 & 4)	Conservation treatment
110*	1.27	"	"	"		13.0	"	"	"	Check
128*	2.68	June	"	"		13.6	"	"	"	Mulch
113*	1.45	Aug.	"	"		9.3	"	"	"	Conservation treatment
118*	1.96	"	"	"		9.6	"	"	"	Check
111*	1.18	"	"	"		7.5	"	"	"	Mulch
121*	1.42	Mar.	"	"		15.8	"	"	"	Conservation treatment
106*	1.56	"	"	"		14.3	"	"	"	Check
188*	2.05	July	"	"		9.2	"	"	"	Mulch
191*	1.20	Aug.	"	"		9.4	"	"	"	Krilium
124	2.07	"	June 1947	"		12.9	"	"	"	Strip Crop
185*	7.40	"	Cont.	"		13.6	"	"	"	" "
187*	7.20	"	"	"		15.5	"	"	"	" "
192*	7.59	"	"	"		15.8	"	"	"	Check
172	43.6	Jan.	"	DP ^{23/}		22.8	Woods	"	"	Conservation treatment
169	29.0	"	1940	"		15.7	Mixed	"	"	" "
177	75.6	Dec. 1939	"	"		15.7	"	"	"	" "
183	74.2	Feb. 1938	"	"		14.8	"	"	"	Check
196	303	Apr. 1937	"	CM		14.0	"	"	"	"
10	122	Aug.	"	DP		(15)	"	Good	"	Conservation treatment
5	349	Mar.	"	CM		(15)	"	Fair	"	"
11	292	"	"	V Weir		(15)	"	Good	"	"
20	373	"	Aug. 1943	CM		(15)	"	Poor	"	"
9	377	"	July 1947	"		(15)	"	"	"	"
13	439	Aug.	Nov. 1943	"		(15)	"	"	"	"
91	293	"	Cont.	"		(15)	"	Fair	"	"
92	920	Sept. 1936	"	"		(15)	"	Good	"	"
93	1,078	Nov.	Apr. 1944	"		(15)	"	Fair	"	"
94	1,517	Feb. 1937	Cont.	"		(15)	"	"	"	"
95	2,569	Jan.	"	"		(15)	"	Good	"	"
97	4,581	"	"	"		(15)	"	"	"	"
297	6,800	June 1938	Sept. 1946	"		(15)	"	Poor	"	"
497	3,520	Oct.	Feb. "	"		(15)	"	"	"	"
697	4,010	June	Apr. 1944	"		(15)	"	"	"	"
993	11,820	July 1939	Aug. 1946	"		(15)	"	"	"	"
994	17,540	Nov. 1936	Cont.	"		(15)	"	Good	"	"
997	31,340	Dec. 1938	June 1947	"		(15)	"	Poor	"	"

E. Experimental Watersheds (Continued)

Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope		Crop or Cover	Validity of Records	Reference ^{2/}	Remarks
					Range	Av.				
2. <u>Hastings, Nebr.</u>										
3	481	July 1938	Cont.	CM		5.4	Mixed	Good	(Hydr. Bul. 3)	Untreated
8	2,086	" "	"	"		5.6	"	"	"	
11	3,490	Apr. 1939	"	"		5.2	"	"	"	
5	411	June "	"	"		5.9	"	"	"	68% terraced 1949
1-H	3.62	Mar. "	"	HF		7.2	Meadow	"	"	
2-H	3.40	" "	"	"		6.7	"	"	"	
3-H	3.95	" "	"	"		6.1	Rotation	"	"	Also tillage treatment
							Single Crop			
4-H	3.84	Apr. "	"	"		6.2	Rot. Single	"	"	" " "
							Crop			
5-H	3.93	" "	"	"		4.9	"	"	"	" " "
6-H	4.16	" "	"	"		4.4	"	"	"	" " "
7-H	4.15	" "	"	"		4.6	"	"	"	" " "
8-H	3.93	Mar. "	"	"		3.0	"	"	"	" " "
9-H	3.78	Apr. "	"	"		4.8	"	"	"	" " "
10-H	3.98	" "	"	"		3.9	"	"	"	" " "
11-H	3.85	" "	"	"		4.5	"	"	"	" " "
12-H	3.66	" "	"	"		5.8	"	"	"	" " "
13-H	3.41	" "	"	"		5.6	"	"	"	" " "
14-H	3.35	" "	"	"		5.4	"	"	"	" " "
15-H	3.62	" "	"	"		5.8	"	"	"	" " "
16-H	3.57	" "	"	"		4.6	"	"	"	" " "
17-H	3.96	" "	"	"		7.0	"	"	"	" " "
18-H	3.74	July "	"	"		4.9	Pasture	"	"	" " "
19-H	4.10	Mar. 1941	"	"		5.7	Rot. Single	"		
							Crop			
20-H	4.05	" "	"	"		6.1	"	"		Also tillage treatment
21-H	3.94	" "	"	"		5.7	"	"	"	" " "
22-H	3.99	" "	"	"		3.8	"	"	"	" " "
23-H	4.06	" "	"	"		4.5	"	"	"	" " "
24-H	4.21	" "	"	"		5.0	"	"	"	" " "

E. Experimental Watersheds (Continued)

Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope		Crop or Cover	Validity of Records	Reference ^{2/}	Remarks
					Range	Av.				
3. Waco, (Riesel) Tex.										
A*	42.0	May 1938	July 1943	PW ^{24/}		1.57	Mixed	Ex. (RWB)	(Hydr. Bul.	
C	579	Dec. 1937	" "	CM		2.04	"	Good "	2 & 5 TB	Reestablished Dec. 1948
D*	1,110	Nov. "	" "	"		2.10	"	" "	1022)	" "
G	4,380	" "	" "	ACM ^{25/}		2.06	"	Fair "	"	
J*	5,860	June "	" "	"		2.14	"	Good "	"	
Z*	310	May 1939	" "	CM		2.34	"	" "	"	
Y*	309	Apr. 1937	" "	"		2.41	" ^{25/}	" "	"	
Y-2	132	Oct. 1938	Cont.	PW		2.57	"	Ex. "		Reestablished Apr. 1946
Y-4	79.9	" "	July 1943	"		2.86	"	Good "	"	Reestablished Dec. 1945
Y-6*	20.9	Sept. "	" "	"		3.21	Cult.	Ex. "	"	Apr. 1947
Y-7	40.0	Dec. "	" "	"		1.87	"	Good "	"	May 1947
Y-8	20.8	Mar. 1939	" "	"		2.24	"	Ex. "	"	Dec. 1948
Y-10*	21.0	July 1938	" "	"		1.88	Cult.	Ex. "	"	Apr. 1946
W-1*	176	June 1937	Cont.	"		2.19	Mixed	" "	"	
W-2*	130	June "	" "	"		2.45	"	" "	"	
W-6*	42.3	May 1939	July 1943	"		2.03	"	Good "	"	
W-8*	40.4	July 1938	" "	"		2.28	"	Fair "	"	Reestablished Dec. 1945
W-10*	19.7	" "	" "	"		2.07	"	Good "	"	Apr. 1946
SW-2*	2.70	Apr. "	" "	HF		1.91	Cult.	Good "	"	
SW-3*	3.09	Dec. "	" "	"		1.91	"	" "	"	
SW-5*	3.09	Oct. "	" "	"		3.27	"	Fair "	"	
SW-6*	3.04	Nov. "	" "	"		3.18	"	" "	"	
SW-7*	3.15	Mar. "	" "	"		1.67	"	Good "	"	
SW-11*	3.23	" "	" "	"		.94	"	" "	"	
SW-12*	2.97	Dec. 1937	" "	"		3.81	Pastur	Ex. "	"	Reestablished May 1947
SW-13*	3.19	Mar. 1938	" "	"		3.07	Cult.	Fair "	"	
SW-14	3.02	" 1939	" "	"		1.55	"	Good "	"	
SW-16*	3.17	Sept. 1937	" "	PF		2.58	"	" "	"	
SW-17*	2.99	Feb. 1939	" "	HF		1.83	"	" ^{27/}	"	Reestablished Dec. 1947
SW-18*	3.04	Apr. 1938	" "	"		1.14	"	"	"	

Footnotes

- 1/ Records at the Station unless otherwise noted.
- 2/ TP = Soil Conservation Service Technical Publication. TB = U.S.D.A. Technical Bulletin.
- 3/ Records at College Park, Maryland.
- 4/ Current Meter Station.
- 5/ Broad Crested weir.
- 6/ Records at Blacksburg, Va.
- 7/ Records at Madison, Wisconsin.
- 8/ Records at Riesel, Texas.
- 9/ Records in Archives.
- 10/ Records in Albuquerque, New Mexico.
- 11/ Records in Portland, Oregon.
- 12/ An asterik indicates that some soil loss measurements are available.
- 13/ H. type Flume.
- 14/ HF until May 1940.
- 15/ Parshall Flume.
- 16/ Records located at Columbia, Missouri.
- 17/ T.F. = 4" x 20" trapazoidal flume.
- 18/ Records at Guthrie, Oklahoma.
- 19/ Records at Raleigh, North Carolina.
- 20/ Soil Conservation Service Progress Report.
- 21/ Original Records lost - transcripts at Albuquerque, New Mexico.
- 22/ Records at Columbia, Missouri.
- 23/ Parshall flume with small flume for low flows.
- 24/ Parshall flume with weir control for low flows.
- 25/ Auxiliary slope records for high flows.
- 26/ Conservation practices established on all Y watersheds in 1943.
- 27/ Record excellent since 1947.

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	B-6. Spur	8
	C-10. Tyler	10
	A-12. Vega	3
	E-3. Waco (Riesel)	16
Virginia	B-4. Blacksburg	7
	A-4. Chatham	1
	D-6. Staunton	13
Washington. . . .	A-25. Dayton	5
	A-28. Pullman	6
	C-9. Pullman	10
Wisconsin	D-2. Colby	12
	A-27. Coon Valley	6
	A-11. Fennimore	3
	C-5. LaCrosse	9

